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OM protein - protein search, using sw model

Run on: December 16, 2005, 16:31:59 ; Search time 31.5472 Seconds
(without alignments)
398.346 Million cell updates/sec

Title: US-10-074-694-5
Perfect score: 803
Sequence: 1 MANTERTFAIKPDGVQRL.....WFKPEELVDYKSCAHDWYR 152

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	803	100.0	152	1	US-08-713-825-5 Sequence 5, Appli
2	803	100.0	152	2	US-09-199-842-5 Sequence 5, Appli
3	803	100.0	152	2	US-09-335-948-1 Sequence 1, Appli
4	803	100.0	152	2	US-09-460-532-5 Sequence 5, Appli
5	803	100.0	152	2	US-09-538-092-987 Sequence 987, App
6	803	100.0	176	2	US-09-335-948-2 Sequence 2, Appli
7	803	100.0	176	2	US-07-806-932B-3 Sequence 3, Appli
8	720	89.7	152	1	US-08-713-825-4 Sequence 4, Appli
9	720	89.7	152	2	US-09-199-842-4 Sequence 4, Appli
10	720	89.7	152	2	US-09-335-948-4 Sequence 4, Appli
11	720	89.7	152	2	US-09-460-532-4 Sequence 4, Appli
12	720	89.7	152	2	US-09-538-092-933 Sequence 933, App
13	720	89.7	184	2	US-09-335-948-5 Sequence 5, Appli
14	720	89.7	184	2	US-07-806-932B-1 Sequence 1, Appli
15	594	74.0	117	2	US-09-513-999C-5323 Sequence 5323, Ap
16	536.5	66.8	168	1	US-08-667-023-2 Sequence 2, Appli
17	536.5	66.8	168	1	US-08-713-825-3 Sequence 3, Appli
18	536.5	66.8	168	2	US-09-199-842-3 Sequence 3, Appli
19	536.5	66.8	168	2	US-09-460-532-3 Sequence 3, Appli
20	533	66.4	151	2	US-09-183-861-20 Sequence 20, Appli
21	533	66.4	151	2	US-09-022-765-20 Sequence 20, Appli
22	533	66.4	151	2	US-09-551-974A-20 Sequence 20, Appli
23	533	66.4	151	2	US-09-565-501A-20 Sequence 20, Appli
24	533	66.4	151	2	US-09-639-206A-20 Sequence 20, Appli
25	533	66.4	151	2	US-09-874-923-20 Sequence 20, Appli
26	533	66.4	151	2	US-08-798-841-20 Sequence 20, Appli
27	519	64.6	153	2	US-09-248-796A-18029 Sequence 18029, A

28	505	62.9	153	2	US-09-538-092-491 Sequence 491, App
29	469	58.4	187	1	US-08-713-825-1 Sequence 1, Appli
30	469	58.4	187	2	US-09-199-842-1 Sequence 1, Appli
31	469	58.4	187	2	US-09-460-532-1 Sequence 823, App
32	469	58.4	187	2	US-09-538-092-823 Sequence 59, Appli
33	460	57.3	158	2	US-09-443-184-59 Sequence 4, Appli
34	436	54.3	231	2	US-10-227-035-4 Sequence 3216, Ap
35	426	53.1	159	2	US-09-134-001C-3216 Sequence 91, Appli
36	394	49.1	161	2	US-09-358-972-91 Sequence 91, Appli
37	394	49.1	161	2	US-09-790-417-91 Sequence 3639, Ap
38	352	43.8	137	2	US-09-583-110-3639 Sequence 3645, Ap
39	352	43.8	148	2	US-09-937-296-1 Sequence 10381, A
40	328	40.8	145	2	US-09-107-433-3645 Sequence 6000, Ap
41	328	40.8	145	2	US-09-902-540-10381 Sequence 2, Appli
42	328	40.8	154	2	US-09-107-532A-6000 Sequence 7960, Ap
43	326	40.6	145	2	US-09-937-296-2 Sequence 3095, Ap
44	317	39.5	153	2	US-09-328-352-7960
45	314	39.1	146	2	US-09-540-236-3095

ALIGNMENTS

RESULT 1
US-08-713-825-5323-1
; Sequence F, Application US/08713825
; Patent No. 5874285
; GENERAL INFORMATION:
; APPLICANT: Bandag, Olga
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: NOVEL HUMAN NM23-LIKE PROTEIN
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/713,825
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0124 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 152 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 127983
; US-08-713-825-5

Query Match 100.0%; Score 803; DB 1; Length 152;
Best Local Similarity 100.0%; Pred. No. 1.6e-91;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 DB 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 QY 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 DB 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
 DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

RESULT 2
 US-09-199-842-5 Application US/09199842
 Sequence 5, Application US/09199842
 Patent No. 6087125

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hawkins, Phillip R.
 TITLE OF INVENTION: NOVEL HUMAN NM23-LIKE PROTEIN
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: U.S.
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/199,842
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/713,825
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0124 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 152 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 127983
 US-09-199-842-5

Query Match 100.0%; Score 803; DB 2; Length 152;
 Best Local Similarity 100.0%; Pred. No. 1.6e-91;
 Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 DB 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 QY 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 DB 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
 DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

RESULT 3
 US-09-335-948-1 Application US/09335948
 Sequence 5, Application US/09335948
 Patent No. 6329198
 GENERAL INFORMATION:
 APPLICANT: National Institutes of Health
 APPLICANT: Charles R. King
 APPLICANT: Patricia S. Steeg
 APPLICANT: Lance A. Liotta
 TITLE OF INVENTION: PRODUCTION AND USE OF HUMAN NM23 PROTEIN
 TITLE OF INVENTION: AND ANTIBODIES THEREFOR
 FILE REFERENCE: 14014.0321
 CURRENT APPLICATION NUMBER: US/09/335,948
 PRIOR FILING DATE: 1999-06-18
 PRIOR APPLICATION NUMBER: 08/475,634
 PRIOR FILING DATE: 1995-06-07
 PRIOR APPLICATION NUMBER: 07/806,932
 PRIOR FILING DATE: 1991-12-11
 PRIOR APPLICATION NUMBER: 07/422,801
 PRIOR FILING DATE: 1989-10-18
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 1
 LENGTH: 152
 TYPE: PRT
 ORGANISM: Homo Sapiens
 US-09-335-948-1

Query Match 100.0%; Score 803; DB 2; Length 152;
 Best Local Similarity 100.0%; Pred. No. 1.6e-91;
 Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 DB 1 MANLERTFIAIKPDGVQGLVGEIIRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPF 60
 QY 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 DB 61 FPGLVKYNNSGPVAVMWEGNLNVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
 QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
 DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

RESULT 4
 US-09-460-532-5
 Sequence 5, Application US/09460532
 Patent No. 6486300
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hawkins, Phillip R.
 TITLE OF INVENTION: NOVEL HUMAN NM23-LIKE PROTEIN
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: U.S.
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/460,532
 FILING DATE: 13-Dec-1999
 PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/199,842
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/713,825
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0124 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 152 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 127983
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-460-532-5

Query Match 100.0%; Score 803; DB 2; Length 152;
Best Local Similarity 100.0%; Pred. No. 1.6e-91;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
DB 1 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
QY 61 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
DB 61 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

RESULT 5
US-09-538-092-987
; Sequence 987, Application US/09538092
; Patent No. 6753314
; GENERAL INFORMATION:
; APPLICANT: Giot, Loic
; APPLICANT: Mansfield, Traci A.
; TITLE OF INVENTION: Protein-Protein Complexes and Method of Using Same
; FILE REFERENCE: 15966-542
; CURRENT APPLICATION NUMBER: US/09/538,092
; CURRENT FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 60/127,352
; PRIOR FILING DATE: 1999-04-01
; PRIOR APPLICATION NUMBER: 60/178,965
; PRIOR FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 1387
; SOFTWARE: CuraPatSeqFormatter Version 0.9
; SEQ ID NO 987
; LENGTH: 152
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURB:
; NAME/KEY: misc_feature
; LOCATION: (0)..(0)
; OTHER INFORMATION: Polypeptide Accession Number P22392
US-09-538-092-987

Query Match 100.0%; Score 803; DB 2; Length 152;
Best Local Similarity 100.0%; Pred. No. 1.6e-91;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60

DB 1 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
QY 61 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
DB 61 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152

RESULT 6
US-09-335-948-2
; Sequence 2, Application US/09335948
; Patent No. 6329198
; GENERAL INFORMATION:
; APPLICANT: National Institutes of Health
; APPLICANT: Charles R. King
; APPLICANT: Patricia S. Steeg
; APPLICANT: Lance A. Liotta
; TITLE OF INVENTION: PRODUCTION AND USE OF HUMAN NM23 PROTEIN
; TITLE OF INVENTION: AND ANTIBODIES THEREFOR
; FILE REFERENCE: 14014.0321
; CURRENT APPLICATION NUMBER: US/09/335,948
; CURRENT FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 08/475,634
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 07/806,932
; PRIOR FILING DATE: 1991-12-11
; PRIOR APPLICATION NUMBER: 07/422,801
; PRIOR FILING DATE: 1989-10-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-335-948-2

Query Match 100.0%; Score 803; DB 2; Length 176;
Best Local Similarity 100.0%; Pred. No. 1.9e-91;
Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
DB 25 MANLERTFLAIKPDGVQRLVGEIIRKFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 84
QY 61 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 120
DB 85 PPGLVKYKNSGPPVAMWMEGLNVKTRGVMLGETNPADSKPGTIRGDFCIQVGRNIIHGS 144
QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 152
DB 145 DSVKSAEKEISLWFKPEELVDYKSCAHDWYE 176

RESULT 7
US-07-806-932B-3
; Sequence 3, Application US/07806932B
; Patent No. 6423836
; GENERAL INFORMATION:
; APPLICANT: KING, ET AL.
; TITLE OF INVENTION: PRODUCTION AND USE OF HUMAN
; TITLE OF INVENTION: HUMAN NM23 PROTEIN AND ANTIBODIES
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI & STEWART
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY

COUNTRY: USA
 ZIP: 07068
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 INCH DISKETTE
 COMPUTER: IBM PS/2
 OPERATING SYSTEM: PC-DOS
 SOFTWARE: DW4.V2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/806,932B
 FILING DATE: 11 december 1991
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/422,801
 FILING DATE: 18 october 1989
 ATTORNEY/AGENT INFORMATION:
 NAME: CAPELLO, SUSAN A.
 REGISTRATION NUMBER: 34,560
 REFERENCE/DOCKET NUMBER: 469200-72
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-994-1700
 TELEFAX: 201-994-1744
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 176 AMINO ACID RESIDUES
 TYPE: AMINO ACIDS
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PROTEIN
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE: HUMAN NM 23-H2S
 PUBLICATION INFORMATION:
 RELEVANT RESIDUES IN SEQ ID NO: 3: FROM -24 TO 152
 S-07-806-932B-3

Query Match 100.0%; Score 803; DB 2; Length 176;
 Best Local Similarity 100.0%; Pred. No. 1.9e-91;
 Matches 152; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MANLERTFIAIKPDGVQRLVGEIIRFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
 25 MANLERTFIAIKPDGVQRLVGEIIRFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 84
 61 FPGLVKYMNSGPVAVMWEGINLVKTGRVMTGETNPADSKPGTIRGDFCIQVGRNIHGS 120
 85 FPGLVKYMNSGPVAVMWEGINLVKTGRVMTGETNPADSKPGTIRGDFCIQVGRNIHGS 144
 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWVYE 152
 145 DSVKSAEKEISLWFKPEELVDYKSCAHDWVYE 176

SULT 8

-08-713-825-4
 Sequence 4, Application US/08713825
 Patent No. 5874285

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hawkins, Phillip R.
 TITLE OF INVENTION: NOVEL HUMAN NM23-LIKE PROTEIN
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: U.S.
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 1.5

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/713,825
 FILING DATE: Filed Herewith
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0124 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 152 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 468542
 US-08-713-825-4

Query Match 89.7%; Score 720; DB 1; Length 152;
 Best Local Similarity 88.2%; Pred. No. 3.2e-81;
 Matches 134; Conservative 10; Mismatches 8; Indels 0; Gaps 0;

QY 1 MANLERTFIAIKPDGVQRLVGEIIRFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
 DB 1 MANLERTFIAIKPDGVQRLVGEIIRFEQKGFRLVAMKFLRASEEHLKOHYIDLKDRPF 60
 QY 61 FPGLVKYMNSGPVAVMWEGINLVKTGRVMTGETNPADSKPGTIRGDFCIQVGRNIHGS 120
 DB 61 FPGLVKYMNSGPVAVMWEGINLVKTGRVMTGETNPADSKPGTIRGDFCIQVGRNIHGS 120
 QY 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWVYE 152
 DB 121 DSVKSAEKEISLWFKPEELVDYKSCAHDWVYE 152

RESULT 9

US-09-199-842-4
 Sequence 4, Application US/09199842
 Patent No. 6087125

GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Hawkins, Phillip R.
 TITLE OF INVENTION: NOVEL HUMAN NM23-LIKE PROTEIN
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: U.S.
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 1.5
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/199,842
 FILING DATE:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/713,825
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0124 US